

## SHEET NOTES

NOT USED

## KEY NOTES

- 1-1/2" CO2 INSULATED PIPE BELOW GRADE. ROUTE FROM CO2 TANKS AT MECHANICAL ENCLOSURE FOR BUILDING 51.
- HOSE BIBB IN RECESSED BOX.
- 2" DOMESTIC COLD WATER LINE BELOW GRADE. WATER METER PROVIDED IN B-51 MEI PROJECT. SEE CIVIL DRAWINGS.
- ROUTE NEW 4" NATURAL GAS BELOW GRADE (2,200 CFH, 300 TOL) TO GAS METER AND REGULATOR PROVIDED IN B-51 MEI PROJECT. SEE CIVIL DRAWINGS.
- NEW 4" STORM DRAIN AND OVERFLOW DRAIN FROM ROOF. TERMINATE STORM DRAIN AT SWALE. TERMINATE OVERFLOW DRAIN MIN. OF 6" ABOVE GRADE AT FACE OF WALL TO PLANTING AREA.
- NEW 4" S.S. WITH BUILDING CLEANOUT. ROUTE TO EXISTING SANITARY SEWER MANHOLE (REFER TO CIVIL DRAWINGS).
- WASTE SAMPLING PORT. SEE DETAIL 1/PP403.

01 PLUMBING SITE PLAN  
SCALE: 3/32" = 1'-0"

① P100  
3/32" = 1'-0"

## CONSULTANTS:



**SYSKA HENNESSY GROUP**  
A member company of SH Group, Inc.

Syska Hennessy Group, Inc.  
425 California Street  
Suite 700  
San Francisco, CA 94104  
Tel: 415.288.9060  
Fax: 415.635.0385  
www.syska.com

## ARCHITECT/ENGINEERS:



**HILLIARD ARCHITECTS, INC**  
251 Post Street, Suite 620  
San Francisco, CA 94108-5017  
Tel 415 989 6400, Fax 415 989 3056  
www.HilliardArchitects.com

Drawing Title

**PLUMBING SITE PLAN**

Approved: Project Director

Project Title

**GENOMICS CLINICAL  
RESEARCH CENTER,  
PALO ALTO**

Location  
**VAPAHCS - PALO ALTO**

Date  
**06/05/2014**

Checked  
**Checker**

Drawn  
**BWA**

Project Number

**640-389**

Building Number

**51**

Drawing Number

**PS100**

Dwg. of

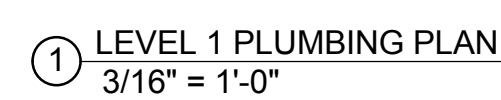
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and Facilities  
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**ARCHITECT/ENGINEERS:**

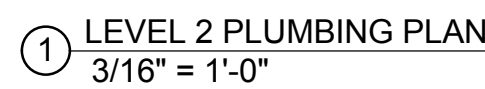
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*San Francisco, CA 94108-5017*  
*Tel 415 989 6400, Fax 415 989 3056*  
*[www.HilliardArchitects.com](http://www.HilliardArchitects.com)*

Project Title		
<b>GENOMICS CLINICAL RESEARCH CENTER, PALO ALTO</b>		
Location		
<b>VAPAHCS - PALO ALTO</b>		
Date	Checked	Drawn
<b>06/05/2014</b>	<b>Checker</b>	<b>Author</b>

Office of  
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and Facilities  
Management

 Department of  
Veterans Affairs

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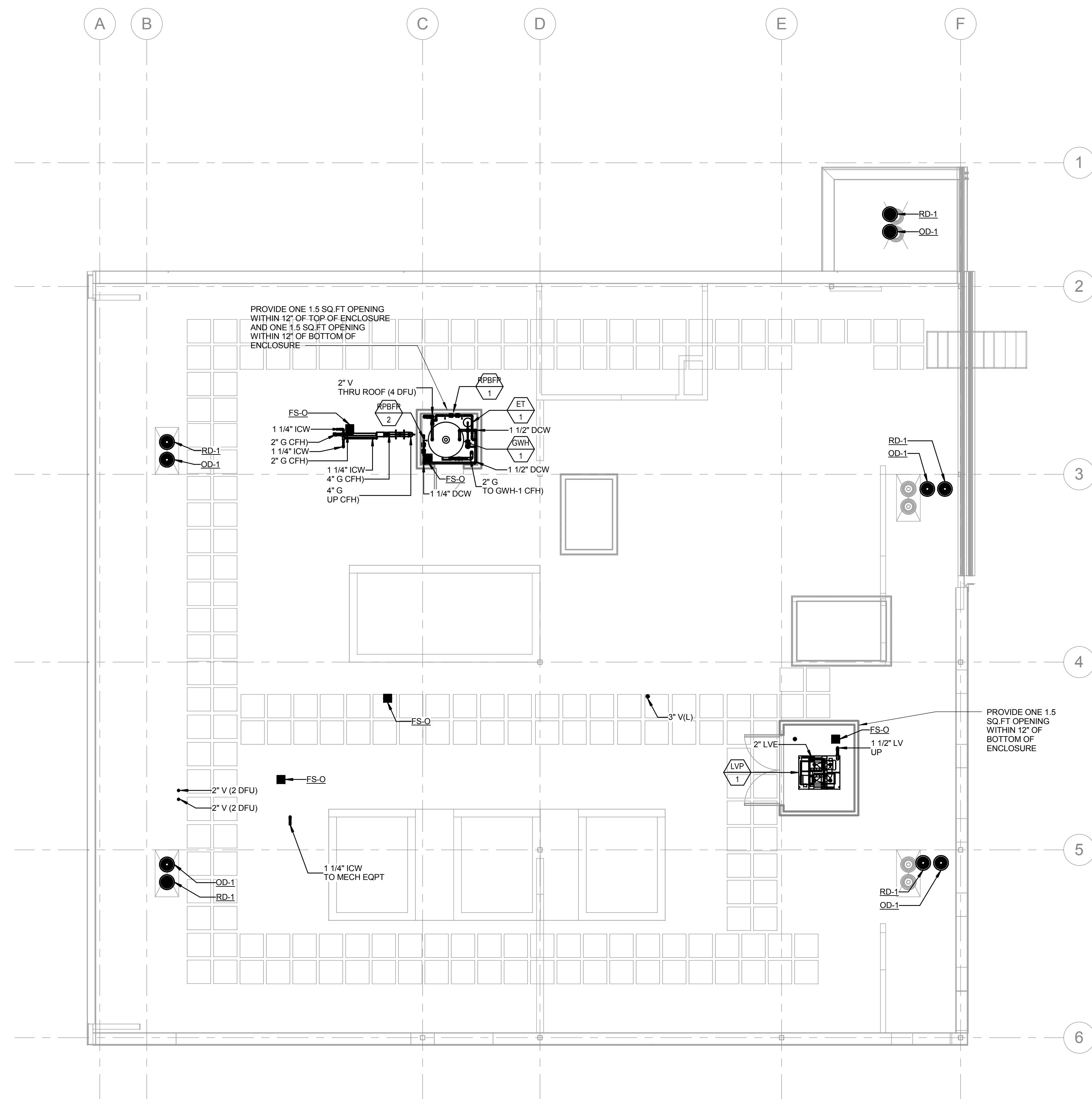


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ESTABLISHED 1988 **HILLIARD**  
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GOING GREEN



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① ROOF PLUMBING PLAN  
3/16" = 1'-0"

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Tel: 415.288.9060  
Fax: 415.835.0385  
[www.syska.com](http://www.syska.com)

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**[www.HilliardArchitects.com](http://www.HilliardArchitects.com)**

	Drawing Title
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## PLUMBING ROOF PLAN

Approved: Project Director

	Project Title
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**GENOMICS CLINICAL  
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Location	VAPAHCS - PALO ALTO
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Date  
06/05/2014

Checked
<b>Check</b>

Drawn
Author

Project Number
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640-389

Building Number

51

	Drawing Number

**PP103**

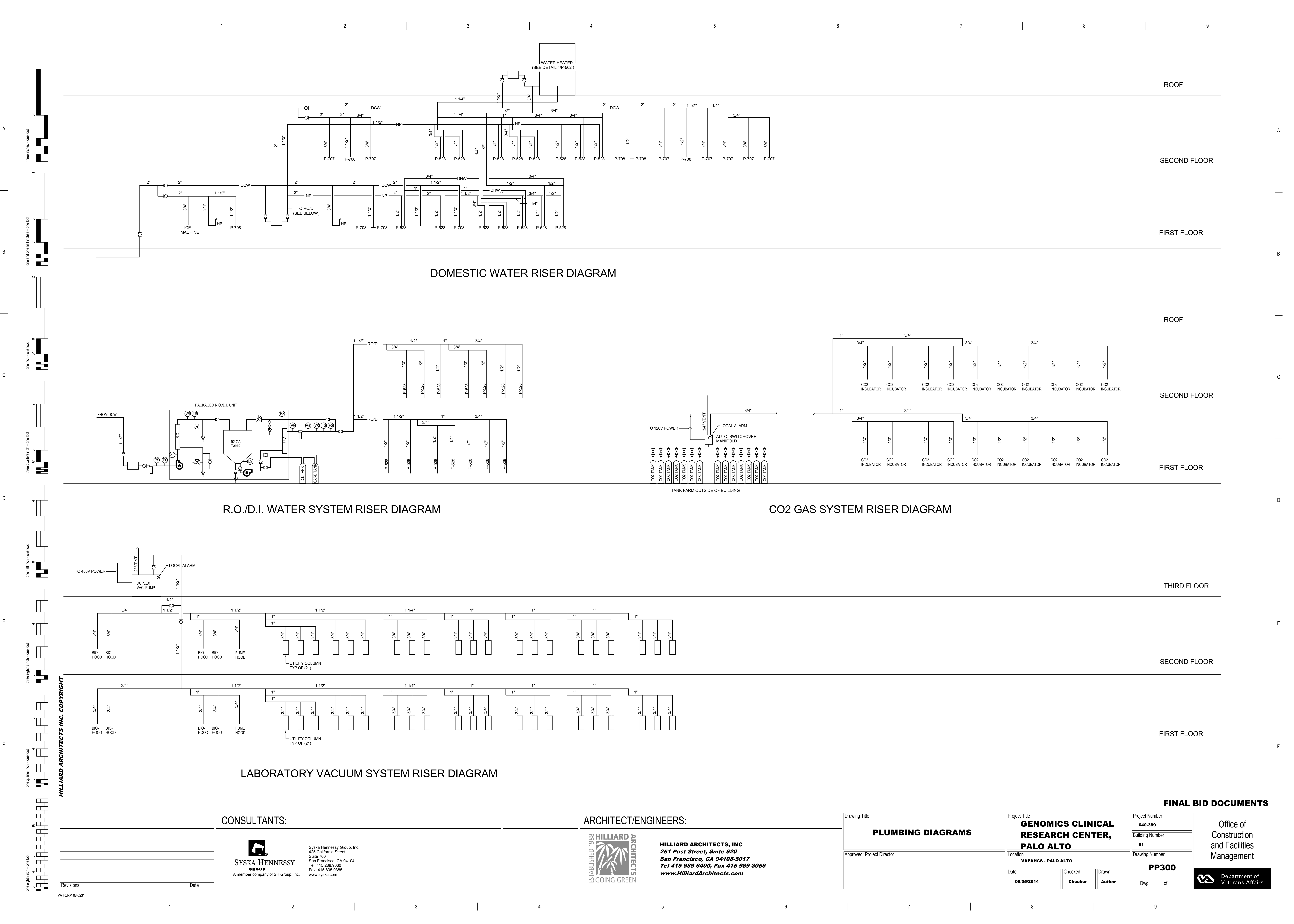
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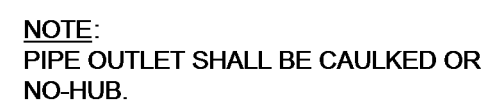


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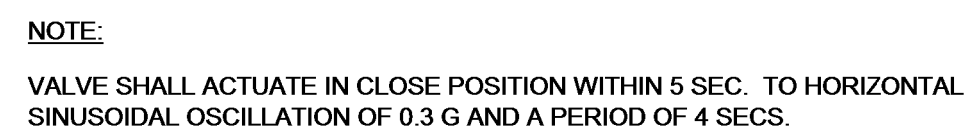




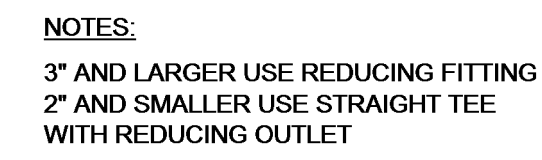




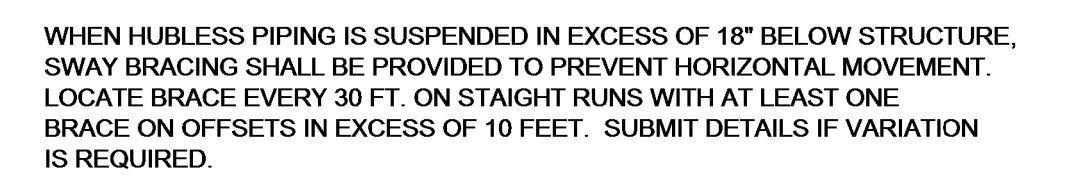
ROOF DRAIN (PRE-CAST CONCRETE)



SEISMIC GAS SHUT-OFF VALVE



## INSTALLATION OF DRAIN VALVE AND AUTOMATIC AIR RELIEF VALVE



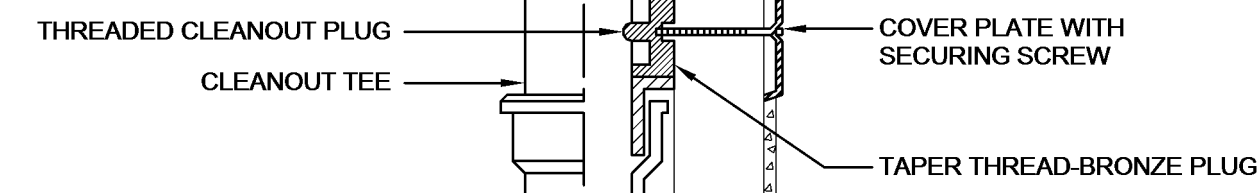
HUBLESS PIPE SWAY BRACING FOR HORIZONTAL PIPING (C)



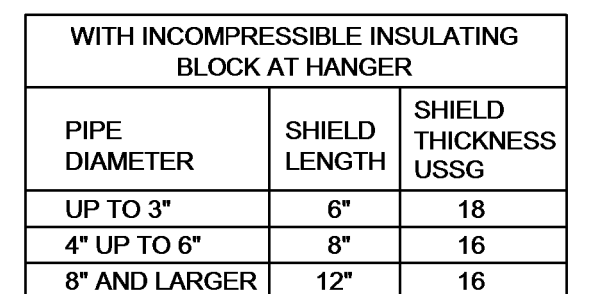
OVERFLOW DRAIN (PRE-CAST CONCRETE)



## GAS EQUIPMENT CONNECTION



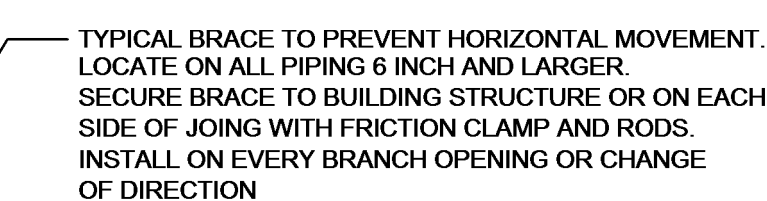
## CLEANOUT FOR DRAINAGE PIPING CONCEALED BEHIND WALLS



WITHOUT INCOMPRESSIBLE INSULATING BLOCK AT HANGER		
PIPE DIAMETER	SHIELD LENGTH	SHIELD THICKNESS USSG
UP TO 3"	12"	18
UP TO 4"	15"	16
UP TO 5"	18"	16
UP TO 6"	21"	16
8" AND LARGER	24"	14

**NOTE:**  
HANGER, ROD AND INSERT SHALL BE DIPPED IN RED OXIDE PRIMER PRIOR TO INSTALLATION.

INSULATED SUPPORT NEW CONSTRUCTION | (



HUBLESS PIPE BRACING LOCATION FOR HORIZONTAL PIPING



## INSULATION OF PIPING, VALVES AND FITTINGS FOR EXPOSED AND CONCEALED LOCATIONS



HUBLESS PIPE BRACING FOR VERTICAL PIPING (

[illegible]

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Drawing Title

## PLUMBING DETAILS

Approved: Project Director

Project Title	<b>GENOMICS CLINICAL RESEARCH CENTER, PALO ALTO</b>
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Location	VAPAHCS - PALO ALTO
----------	---------------------

Date	Check
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Project Number

640-389

Building Number

51

	Drawing Number

Drawing Number: \_\_\_\_\_

PP40

Drug of

Office of  
Construction  
and Facilities  
Management

Department of  
Veterans Affairs





0 4 8 16  
one eighth inch = one foot  
0 4 8  
one quarter inch = one foot  
0 4 8  
three eighths inch = one foot  
0 4 8  
one half inch = one foot  
0 4 8  
three quarters inch = one foot  
0 4 8  
one inch = one foot  
0 4 8  
one and one half inches = one foot  
0 4 8  
two inches = one foot  
0 4 8  
three inches = one foot

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PLUMBING DETAILS

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GENOMICS CLINICAL  
RESEARCH CENTER,  
PALO ALTO

Location  
VAPAHCS - PALO ALTO

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06/05/2014

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Project Number  
640-389  
Building Number  
51  
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PP403  
Dwg. of

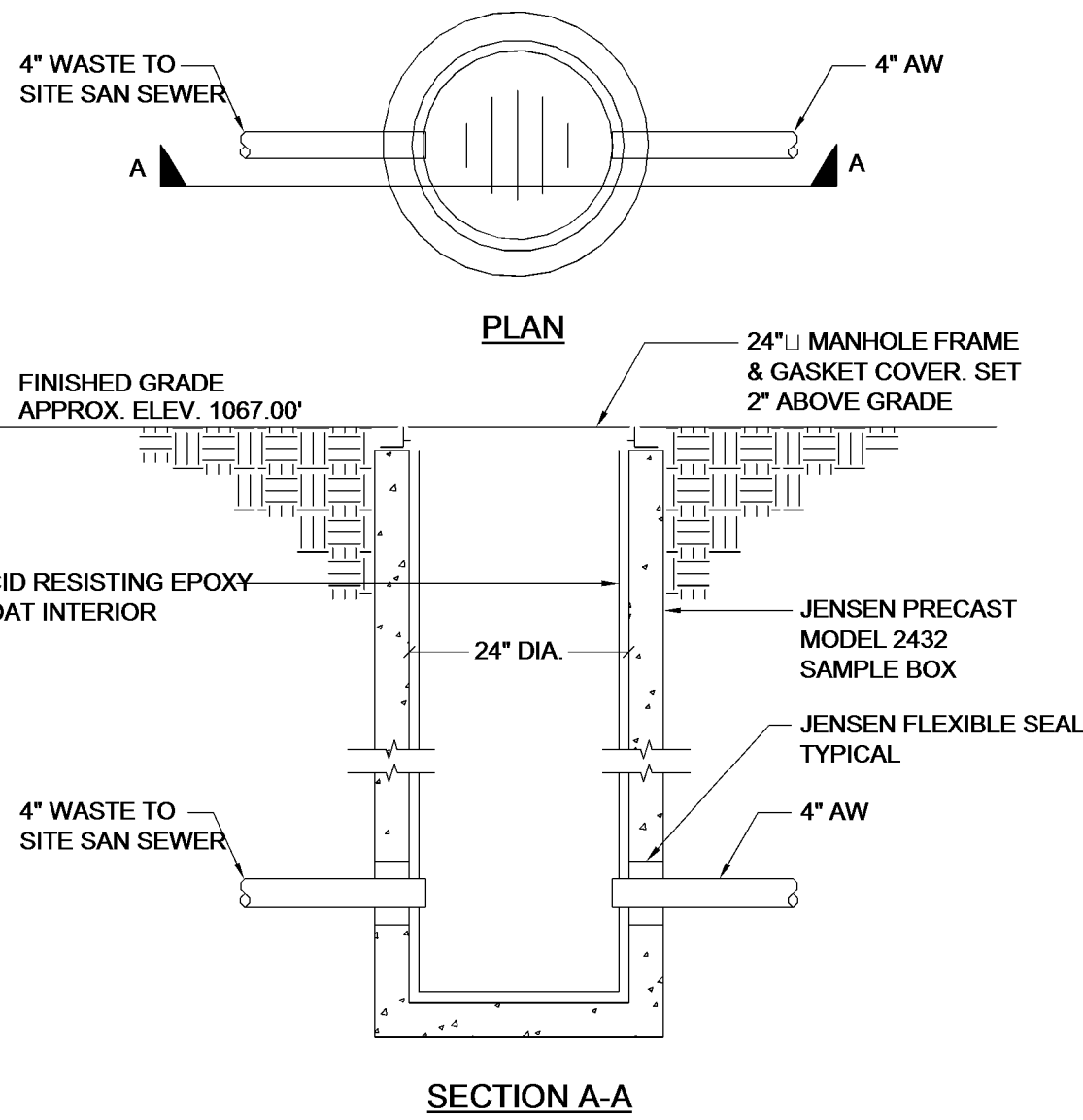
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COLOR - CODED PLASTIC INDEX DISC

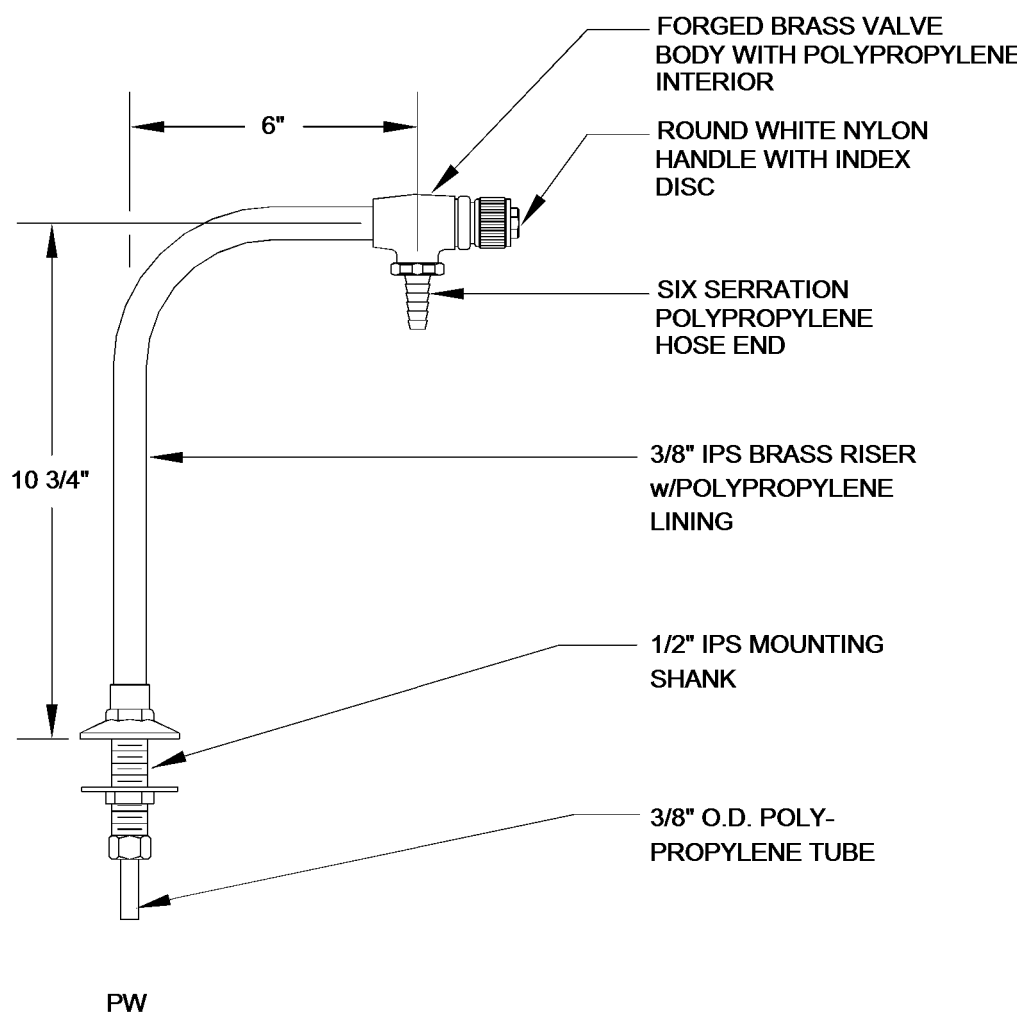
SERVICE	INDEX COLOR	LETTER COLOR	SYMBOL
AIR -LA (UHP)	ORANGE	BLACK	AIR
ACEPTYLENE -ACET	VIOLET	WHITE	ACET
ARGON -AR	VIOLET	WHITE	AR
CARBON DIOXIDE -CO <sub>2</sub>	PINK	BLACK	CO <sub>2</sub>
DEINOZED WATER -PW	WHITE	BLACK	DI
HELIUM -He (UHP)	BLACK	WHITE	HE
HYDROGEN -H	PINK	BLACK	HYD
NITROGEN -N <sub>2</sub>	BROWN	BLACK	NIT
INDUSTRIAL HOT WATER -IHW	RED	RED	IHW
INDUSTRIAL COLD WATER -ICW	GREEN	WHITE	ICW

NOTE:  
COLOR CODING AND SYMBOLS TO COMPLY WITH THE REQUIREMENTS OF SEFA RECOMMENDED PRACTICE NO. 7



COLOR CODING INDEX DETAIL

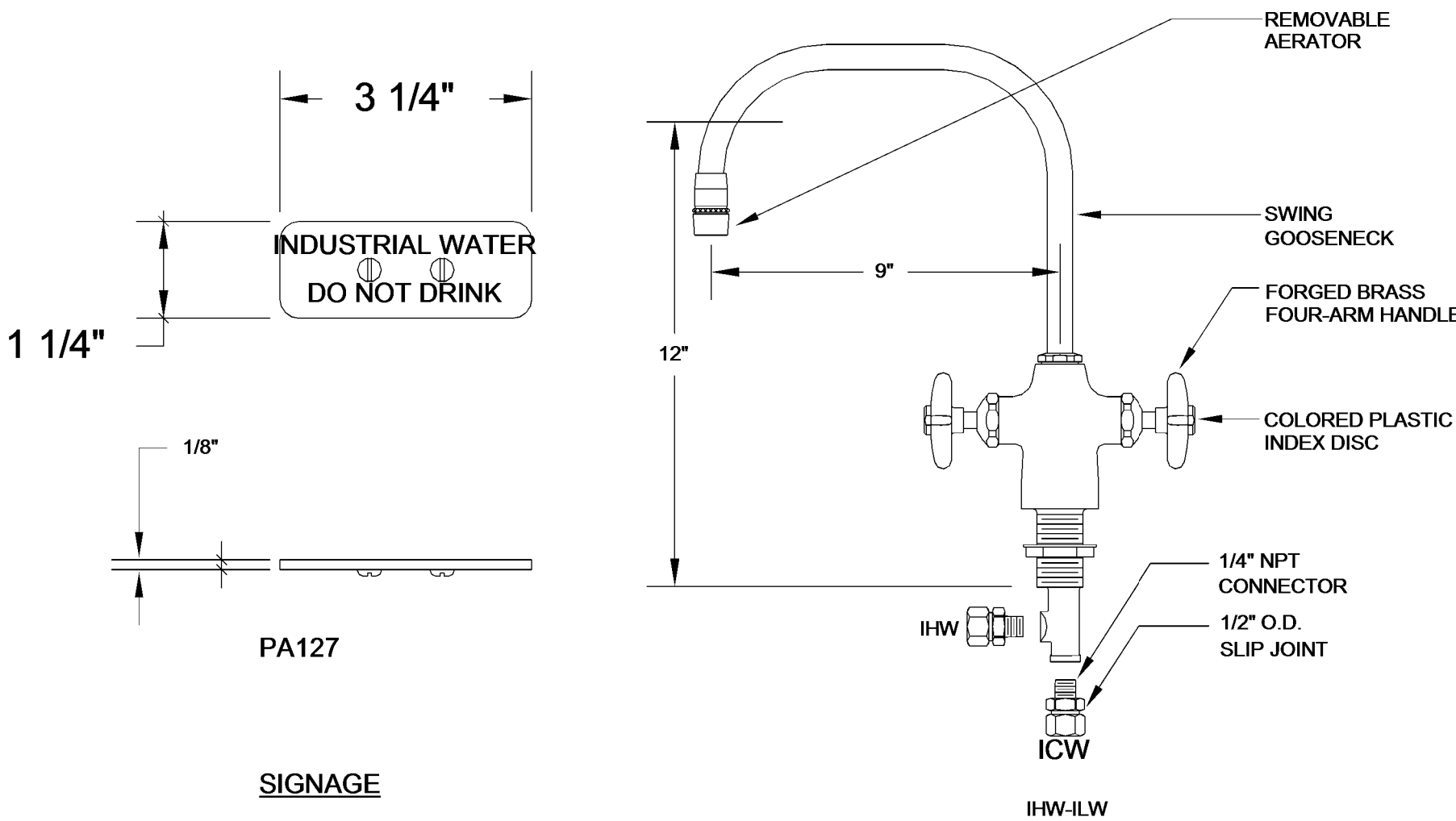
4



NOTES:  
1. ALL COMPONENTS IN CONTACT WITH PURE WATER ARE POLYPROPYLENE

LABORATORY WASTE SAMPLE PORT DETAIL

1

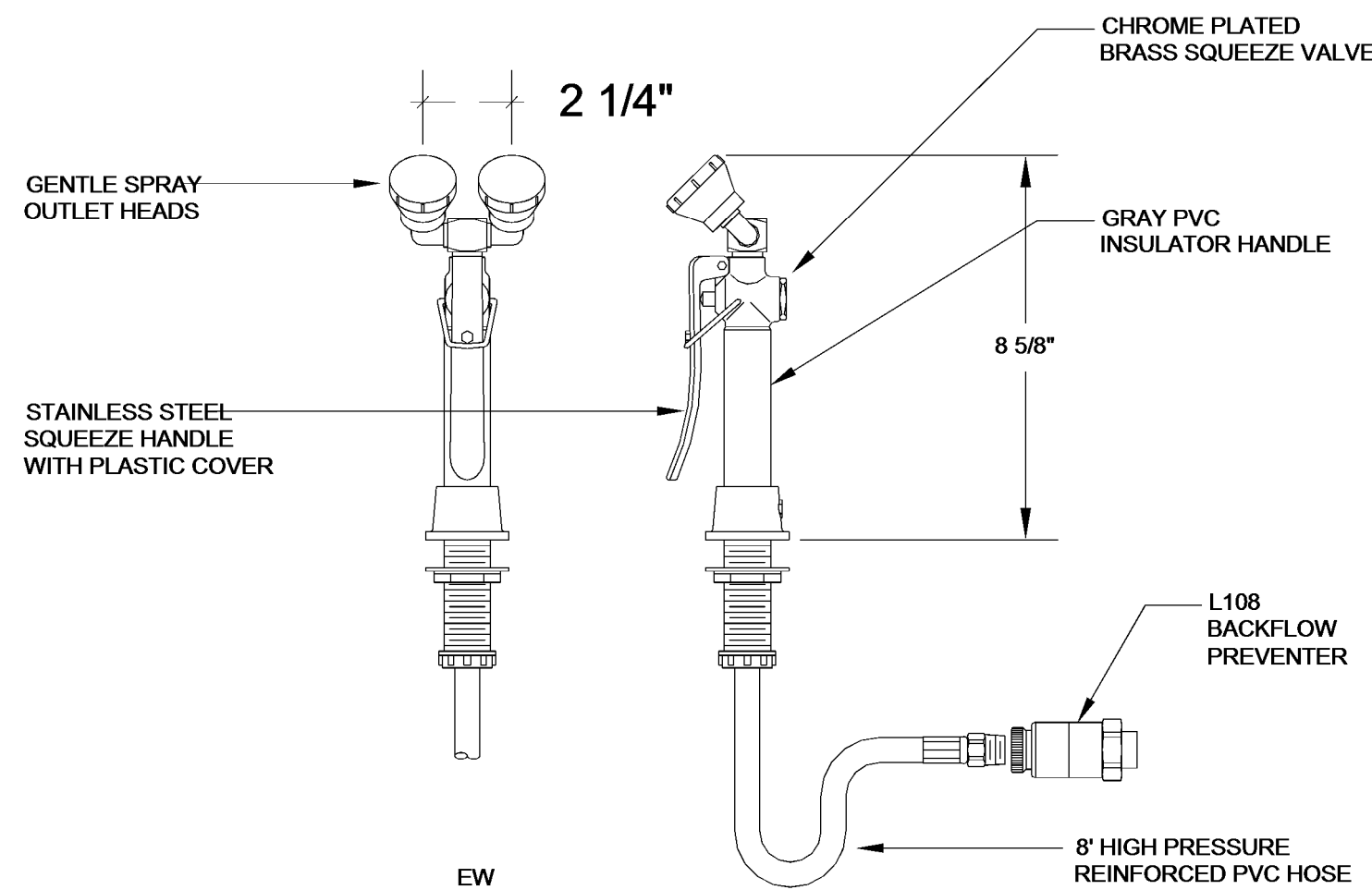


D.I. WATER FAUCET DETAIL

5

LABORATORY FAUCET DETAIL

2



COUNTER MOUNTED EYEWASH DETAIL

3

FINAL BID DOCUMENTS

